

SEQUENCE LISTING

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<120> CRYSTAL STRUCTURE OF cPLA2, AND METHODS OF IDENTIFYING
AGONISTS AND ANTAGONISTS USING SAME

<130> GFN-5341

<140> 09/250,083

<141> 1999-02-15

<160> 2

<170> PatentIn Ver. 2.0

<210> 1

<211> 2247

<212> DNA

<213> Homo sapiens

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<221> CDS

<222> (1)..(2247)

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Ser His Lys Phe Thr Val Val Val Leu Arg Ala Thr Lys Val Thr Lys
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ggg gcc ttt ggt gac atg ctt gat act cca gat ccc tat gtg gaa ctt 144
Gly Ala Phe Gly Asp Met Leu Asp Thr Pro Asp Pro Tyr Val Glu Leu
35 40 45

ttt atc tct aca acc cct gac agc agg aag aga aca aga cat ttc aat 192
Phe Ile Ser Thr Thr Pro Asp Ser Arg Lys Arg Thr Arg His Phe Asn
50 55 60

aat gac ata aac cct gtg tgg aat gag acc ttt gaa ttt att ttg gat 240
Asn Asp Ile Asn Pro Val Trp Asn Glu Thr Phe Glu Phe Ile Leu Asp
65 70 75 80

cct aat cag gaa aat gtt ttg gag att acg tta atg gat gcc aat tat 288
Pro Asn Gln Glu Asn Val Leu Glu Ile Thr Leu Met Asp Ala Asn Tyr
85 90 95

gtc atg gat gaa act cta ggg aca gca aca ttt act gta tct tct atg 336
Val Met Asp Glu Thr Leu Gly Thr Ala Thr Phe Thr Val Ser Ser Met
100 105 110

aag gtg gga gaa aag aaa gaa gtt cct ttt att ttc aac caa gtc act 384
 Lys Val Gly Glu Lys Lys Glu Val Pro Phe Ile Phe Asn Gln Val Thr
 115 120 125

gaa atg gtt cta gaa atg tct ctt gaa gtt tgc tca tgc cca gac cta 432
 Glu Met Val Leu Glu Met Ser Leu Glu Val Cys Ser Cys Pro Asp Leu
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 Arg Phe Ser Met Ala Leu Cys Asp Gln Glu Lys Thr Phe Arg Gln Gln
 145 150 155 160

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 Arg Lys Glu His Ile Arg Glu Ser Met Lys Lys Leu Leu Gly Pro Lys
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 Ala Gly Leu Ser Gly Ser Thr Trp Tyr Met Ser Thr Leu Tyr Ser His
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 Pro Asp Phe Pro Glu Lys Gly Pro Glu Glu Ile Asn Glu Glu Leu Met
 245 250 255

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 Lys Asn Val Ser His Asn Pro Leu Leu Leu Leu Thr Pro Gln Lys Val
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 Val Thr Phe Thr Asp Ile Phe Gly Met Leu Ile Gly Glu Thr Leu Ile
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 His Asn Arg Met Asn Thr Thr Leu Ser Ser Leu Lys Glu Lys Val Asn
 305 310 315 320

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 Thr Ala Gln Cys Pro Leu Pro Leu Phe Thr Cys Leu His Val Lys Pro
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Gly	Ser	Lys	Phe	Phe	Met	Gly	Thr	Val	Val	Lys	Lys	Tyr	Glu	Glu	Asn	
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Pro	Leu	His	Phe	Leu	Met	Gly	Val	Trp	Gly	Ser	Ala	Phe	Ser	Ile	Leu	
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Met	Glu	Glu	Glu	Leu	Glu	Asn	Ile	Thr	Thr	Lys	His	Ile	Val	Ser	Asn	
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Asp	Ser	Ser	Asp	Ser	Asp	Asp	Glu	Ser	His	Glu	Pro	Lys	Gly	Thr	Glu	
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Asn	Glu	Asp	Ala	Gly	Ser	Asp	Tyr	Gln	Ser	Asp	Asn	Gln	Ala	Ser	Trp	
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Ile	His	Arg	Met	Ile	Met	Ala	Leu	Val	Ser	Asp	Ser	Ala	Leu	Phe	Asn	
465					470					475					480	
acc	aga	gaa	gga	cgt	gct	ggg	aag	gta	cac	aac	ttc	atg	ctg	ggc	ttg	1488
Thr	Arg	Glu	Gly	Arg	Ala	Gly	Lys	Val	His	Asn	Phe	Met	Leu	Gly	Leu	
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aat	ctc	aat	aca	tct	tat	cca	ctg	tct	cct	ttg	agt	gac	ttt	gcc	aca	1536
Asn	Leu	Asn	Thr	Ser	Tyr	Pro	Leu	Ser	Pro	Leu	Ser	Asp	Phe	Ala	Thr	
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Gln	Asp	Ser	Phe	Asp	Asp	Asp	Glu	Leu	Asp	Ala	Ala	Val	Ala	Asp	Pro	
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Asp	Glu	Phe	Glu	Arg	Ile	Tyr	Glu	Pro	Leu	Asp	Val	Lys	Ser	Lys	Lys	
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Ile	His	Val	Val	Asp	Ser	Gly	Leu	Thr	Phe	Asn	Leu	Pro	Tyr	Pro	Leu	
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ata	ctg	aga	cct	cag	aga	ggg	gtt	gat	ctc	ata	atc	tcc	ttt	gac	ttt	1728
Ile	Leu	Arg	Pro	Gln	Arg	Gly	Val	Asp	Leu	Ile	Ile	Ser	Phe	Asp	Phe	

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Ser Ala Arg Pro Ser Asp Ser Ser Pro Pro Phe Lys Glu Leu Leu Leu			
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Ala Glu Lys Trp Ala Lys Met Asn Lys Leu Pro Phe Pro Lys Ile Asp			
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cct tat gtg ttt gat cgg gaa ggg ctg aag gag tgc tat gtc ttt aaa			1872
Pro Tyr Val Phe Asp Arg Glu Gly Leu Lys Glu Cys Tyr Val Phe Lys			
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ccc aag aat cct gat atg gag aaa gat tgc cca acc atc atc cac ttt			1920
Pro Lys Asn Pro Asp Met Glu Lys Asp Cys Pro Thr Ile Ile His Phe			
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gtt ctg gcc aac atc aac ttc aga aag tac aag gct cca ggt gtt cca			1968
Val Leu Ala Asn Ile Asn Phe Arg Lys Tyr Lys Ala Pro Gly Val Pro			
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agg gaa act gag gaa gag aaa gaa atc gct gac ttt gat att ttt gat			2016
Arg Glu Thr Glu Glu Glu Lys Glu Ile Ala Asp Phe Asp Ile Phe Asp			
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gac cca gaa tca cca ttt tca acc ttc aat ttt caa tat cca aat caa			2064
Asp Pro Glu Ser Pro Phe Ser Thr Phe Asn Phe Gln Tyr Pro Asn Gln			
675	680	685	
gca ttc aaa aga cta cat gat ctt atg cac ttc aat act ctg aac aac			2112
Ala Phe Lys Arg Leu His Asp Leu Met His Phe Asn Thr Leu Asn Asn			
690	695	700	
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Ile Asp Val Ile Lys Glu Ala Met Val Glu Ser Ile Glu Tyr Arg Arg			
705	710	715	720
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Gln Asn Pro Ser Arg Cys Ser Val Ser Leu Ser Asn Val Glu Ala Arg			
725	730	735	
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<212> PRT

<213> Homo sapiens

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